U.S. Serial No. 09/891,064 Docket No. 26068-08D

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LISTING OF CLAIMS

I. (Currently amended) An isolated and purified human occludin polypoptide, or a fragment or variant thereof consisting of fewer amino acids than a full longth human occludin polypoptide, wherein the polypoptide, or fragment or variant thereof has having at least about 60% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the human occludin fragment polypoptide, or fragment or variant thereof being able to inhibit the barrier properties of epithelial or endothelial cells.

2. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment or variant thereof consisting of fewer amino acids than a full length human occludin polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about 80% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the human occludin fragment polypeptide, or fragment or variant thereof being able to inhibit the barrier properties of epithelial or endothelial cells.

3. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment or variant thereof consisting of fewer amino acids than a full length human occludin polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about 90% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the human occludin fragment polypeptide, or fragment or variant thereof being able to inhibit the barrier properties of epithelial or endothelial cells.

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4. - 26. (Cancelled)

27. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

or variant thereof consisting of fewer amino acids than a full length human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

60% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the human occludin

fragment polypeptide, or fragment or variant-thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.

28. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

or variant thereof consisting of fewer amino acids-than a full length-human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

60% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the human occludin

fragment polypeptide, or fragment or variant thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.

29. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

or variant thereof consisting of fewer amino acids than a full length human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

80% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the human occludin

fragment polypoptide, or fragment or variant thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.

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30. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

or variant thereof consisting of fewer-amino acids than a full length human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

80% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the human occludin

fragment polypeptide, or fragment or variant thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.

31. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

or variant thereof consisting of fewer amine soids than a full length human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

90% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the human occludin

fragment polypeptide, or fragment or variant thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.

32. (Currently amended) An isolated and purified human occludin polypeptide, or a fragment

er variant thereof-consisting of fewer-amino acids than a full length human occludin

polypeptide, wherein the polypeptide, or fragment or variant thereof has having at least about

90% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the human occludin

fragment polypoptide, or fragment or variant thereof being able to inhibit the barrier

properties of epithelial or endothelial cells.